

Claims

- [c1] Novel cosmeceutical and pharmaceutical applications of Garcinia extract containing a minimum of 3% Garcinol and 2% Cambogin is disclosed.
- [c2] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful as antibacterial effective against anaerobic *Propionibacterium acnes*.
- [c3] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful topically or orally in treating anaerobic infections like acne and pimple in concentrations of 0.001–10%, preferably 0.1–1% w/w
- [c4] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful as metalloprotease enzyme inhibitor particularly elastase, collagenase, and as hyaluronidase inhibitor.

- [c5] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful as cyclooxygenase inhibitors including COX-1 and COX-2.
- [c6] The benzophenones in claim 6, especially Garcinol show better inhibition of COX-2 than COX-1 reflecting a better selectivity and safety.
- [c7] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful in cosmetic and pharmaceutical preparations in preventing, treating and improving elasticity, tone, texture, firmness, suppleness, of the skin in topical or oral anti-aging, anti-wrinkle preparations, for lubrication of joints and pain relief in arthritis and other inflammatory conditions, oral administration to inhibit platelet aggregation and the risk of stroke, in concentrations of 0.01–10%, preferably 0.5–2%w/w
- [c8] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful in cosmetic preparations for diaper

rashes, eczema, dermal itch and other inflammatory conditions

- [c9] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful in cosmetic preparations as UV protectant effective against both UVA and UVB rays and can prevent signs of photoaging both in skin and hair care.
- [c10] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful topically or orally as hyperproliferation inhibitor in treating or preventing conditions of psoriasis, eczema, dermatitis, dandruff.
- [c11] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful topically or orally alone or in synergistic combination with other natural or synthetic preparations delivered in the form of w/o or o/w emulsions, self-emulsifying preparations, powders, ointments, gels, lotions, liquids, drinks, oils, sprays, sticks, tablets, capsules, spansules, transdermal preparations among others.

[c12] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones can be used in combination with other moisturizers like coriander seed oil, avocado oil, sandal seed oil, xyloglucans, beta-glycans among others

[c13] The composition of claim 1 or lipophilic extracts of Garcinia, or its isolates such as Garcinol, Cambogin and related compounds collectively termed as benzophenones are useful can be used in combination with other known elastase inhibitors, collagenase inhibitors, anti-inflammatory agents, anti-aging agents and antioxidants to obtain synergistic benefits.